

ABSTRACT OF THE DISCLOSURE

A translator system for translating source programs into machine language programs in an electronic computer system. An object program common to a plurality of different machine types of computers are generated while implementing execution performance equivalent to object programs inherent to the computers. A compiler translates a source program into an abstract object program including an abstract machine instruction sequence and indication concerning allocation of abstract registers. An installer converts the abstract object program into a machine language program of target computer on the basis of executable computer specification information including register usage indication and machine instruction selecting rules.